

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph [0010] beginning at page 2, line 14 with the following rewritten version:

The flat spring may be a circular flat spring having a circular shape and cutouts each provided at one of four positions along a circumference towards its center which circular flat spring does not change a distance between supporting points regardless of changing in load. The flat spring may be designed to be a flat square spring having an annular square shape, coating of low friction ~~Teflon~~ TEFLON on a supporting point side face, cutouts each provided at one of four corners of inner periphery having a uniform width. Thus the flat spring is designed to have a spring constant which is maintained constant with respect to a spring displacement and have a wider movable extent.

Please replace paragraph [0011] beginning at page 2, line 22 with the following rewritten version:

The flat spring has four tabs at four corners in its outer periphery. Its outer peripheral portions coated with ~~Teflon~~ TEFLON are pressure contacted towards step portions of a valve main body.

Please replace paragraph [0017] beginning at page 3, line 11 with the following rewritten version:

The inventor also intends to employ flat spring having a square shape, and having cutouts at inner side of four corners, and having ~~Teflon~~ TEFLON coating with smaller friction coefficient on one side, or to employ a circular flat spring with no change in distance between supporting points.

Please replace paragraph [0022] beginning at page 3, line 30 with the following rewritten version:

The flat square spring has four ~~tubs~~ tabs and is supported at a low friction outer peripheral section which is obtained by applying ~~Teflon~~ TEFLON coating to a

stepped face.

Please replace paragraph [0025] beginning at page 4, line 10 with the following rewritten version:

The change in flow rate due to vibration generated from supporting point friction is eliminated by employing the flat square spring applied low friction ~~Teflon~~ TEFLON coating on one supporting point side face thereof or by employing the circular flat spring having a distance between supporting points which does not change.

Please replace paragraph [0036] beginning at page 5, line 10 with the following rewritten version:

The plunger housing or non-magnetic cylindrical member 13 has a cylindrical shape, and is located in the interior of a central hole of a valve main body. The plunger housing 13 has a plunger 11.

Please replace paragraph [0042] beginning at page 5, line 22 with the following rewritten version:

A flat square spring 10 coated with its supporting point side face coated with low friction ~~Teflon~~ TEFLON or a circular flat spring 10 with a constant distance between supporting points ~~which is constant~~ is pressed to an inner step section of the plunger housing 13 and to an outer step section of the plunger 11. The inner step section of the plunger housing 13 is a step by 250µm so as to limit a movable amount of the plunger 11.

Please replace paragraph [0046] beginning at page 6, line 7 with the following rewritten version:

Fig. 2 shows a top view of the flat square spring 10 with low friction ~~Teflon~~ TEFLON coating on its supporting point side face, while Fig. 3 shows a side cross sectional view of the same.

Please replace paragraph [0047] beginning at page 6, line 7 with the following rewritten version:

Fig. 4 shows a top view of the circular flat square spring 10 with a constant distance between supporting points, while Fig. 5 shows a ~~side~~ cross sectional view of the same.

Please replace paragraph [0053] beginning at page 6, line 28 with the following rewritten version:

~~The Referring to Fig. 2, the~~ flat square spring 10 has four outer peripheral ~~tubs~~ tabs 10a-10d and has cutouts 10e-10h each being provided at each annular inner corner among four annular inner corners, so that the spring width is made to be a substantially uniform width. Thus, wide homogenization in deformation is intended, and metal fatigue fracture point of the spring is raised. And, the change in flow rate due to vibration by supporting point friction is suppressed to a minimum by applying low friction ~~Teflon~~ TEFLON coating on one supporting point side face.

Please replace paragraph [0054] beginning at page 7, line 3 with the following rewritten version:

~~The Referring to Fig. 4, the~~ circular flat spring 10 has an arrangement that cutouts 10e-10h are formed at four points along an inner periphery thereof so as not to change the distance between the supporting points even when the controlling voltage has changed. Each of the cutouts 10e-10h are formed in a substantially spiral shape. The spiral shape includes an outer arc shape, an inner arc shape and a straight shape for connecting the outer and inner arc shapes. Therefore, change in flow rate due to the supporting point friction is not generated.